CYBERSECURITY | DEVELOPER

SAMEH BENALI

CONTACT ME

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EDUCATION HISTORY

NATIONAL INSTITUTE OF APPLIED SCIENCES AND TECHNOLOGY

Pre-Engineering:
- Mathematic-Physics-Informatic
- Computer Science, Networks and Telecommunication

Information security Engineering
- Networks and Telecommunication
- Cybersecurity

Pioneer High School

Bachelor Degree
- Graduated high school in 2017
- Mathematics

WORK EXPERIENCE

INTERNSHIP

Nexstep | 09-2020 to 11-2020
- Malware analysis using cuckoo.
- Creating Linux host machine and 4 guest hosts for test purposes.
- The test starts on a snapshot created on a newly installed host.
- Reporting.
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Athena | 07-2020 to 09-2020
- Building a pentesting platform, and creating machines with different vulnerabilities

PROFESSIONAL WORK

Yogosha| 02-2022 to Present
- CyberSecurity Specialist. A private platform for bug bouty programs. Where hackers test the security of applications.

ACHIEVEMENTS

⚑ First Place In CSAW MENA CTF Finals(Middle East North Africa) By New York University

⚑ First Place Hackzone CTF 2021

⚑ Challenge Creator at AtHackCTF 2021 [Cryptography,Forensics] https://athack.com/

⚑ Top 50team worldwide

⚑ 3rd Place TT Security Day by Tunisie Telecom Operator

⚑ Hosting CTfs with Securinets Association, and The CTF reached top 1 CTF MENA region (Securinets Quals)

LANGUAGES

Arabic
- Native or Bilingual Proficiency

English
- Full Professional Proficiency

French
- Professional Working Proficiency

Germany
- Elementary Proficiency

INTERESTS

CTFS | Sport | Music | Pentest | Forensics

PERSONAL PROJECTS

Custom Ransomware Development
- Had the chance to create custom ransomware that encrypts all the target data using AES-CBC encryption and encrypted the key with the RSA algorithm! The ransomware also locks the target's pc entirely, no keyboard press no mouse moving! Developed with PYTHON.

DevSecOps Tool
- A pipeline tool that tests the vulnerability of a code given from URL or ZIP uploaded project. The Tool tests the top 10 OWASP vulnerabilities and returns the vulnerable functions (and line numbers) and offers possible solutions/mitigations.

Fword CTF
- Hosting a CTF(Capture the flag) Competition that has more than 1200 participants and more than 900teams.
- Creating Reverse Engineering, Cryptography, and Digital Forensics challenges.

Infrastructure for CTF Competition
- I have developed a CTFd infrastructure to maintain more than 5000 users at the same time. It consists of Cloudflare SDN to mainly protect from DoS Attacks. I used Azure load balancer to balance traffic between 2 VMs, each one containing 4 replicas of CTFd that were orchestrated using Docker Swarm. For static storage, I used s3-bucket. For caching, I used the Redis Caching server. And, another VM for the MySQL.

Automated Tool for vulnerability Detection
- Developing a web application, using Django, that automate the process of detecting the web application vulnerabilities. This was presented as a Graduation project.

ORGANIZATIONS

SECURINETS TECHNICAL DIRECTOR
- Organizing and hosting CTF competition.
- Supervising the work of each team.
- Managing Introduction to Penetration Testing training sessions.

Securinets Technical Member
- Organizing and hosting CTF competition.
- Managing Custom Ransomware training sessions.

ACM (Association for Computing Machinery)

SKILLS

PENETRATION TESTING
- Enumeration
- Scanning
- Exploitation

DIGITAL FORENSICS
- Memory/Disk Analysis
- Networking

WEB EXPLOITATION

WEB DEVELOPMENT
- Django/Flask
- WordPress

LINUX